

Engl., Bot. Jahrb. 42: 169. 1908 (B).

ADDITIONAL NOTES ON THE GENUS CITHAREXYLUM. I

Harold N. Moldenke

The following notes are supplementary to those published by me in my work entitled "Materials toward a monograph of the genus Citharexylum" in *Phytologia* 6: 242--256, 262--320, 332--368, & 383--432 (1958), 6: 448--505 (1959), and 7: 7--48 & 49--73. 1959.

CITHAREXYLUM B. Juss.

Additional synonymy: Citharaexylum Lavoie, in herb.

Additional literature: Veloso & Klein, *Sellowia* 8: 182 & 220. 1957; *Biol. Abstr.* 30: 3860 & 4395. 1958; Menninger, 1959 Price List [7]. 1958; Valdés Gutiérrez, *Bol. Soc. Bot. Mex.* 23: 114 & 129. 1958; Lombardo, *Arb. Cult. Pas. Pub.* 99--100 & 276. 1958; Moldenke, *Résumé* 12, 27, 34, 35, 40, 41, 43--51, 53--66, 70, 75, 76, 78, 79, 82, 87, 88, 113, 116, 118, 123, 129, 140, 165, 185, 203, 214, 215, 226, 234--237, 240, 252--259, 268, 276, 277, 282--284, 294, 297, 301, 302, 309, 313, 314, 319, 320, 330, 342, 343, 355, 391, 397, 398, 408, 415, 416, 418, 419, 422--424, 446, & 447. 1959; Moldenke, *Résumé Suppl.* 1: 2--5, 14, 16, 18, & 25. 1959.

CITHAREXYLUM AFFINE D. Don

Additional literature: Moldenke, *Phytologia* 6: 277--282. 1958; Moldenke, *Résumé* 34, 214, 255, 256, 258, 277, & 446. 1959.

Additional citations: MEXICO: México: G. L. Fisher s.n. [Ame-
cameca, July 24, 1924] (V1).

CITHAREXYLUM ANDINUM Moldenke

Additional literature: Moldenke, *Phytologia* 6: 262 & 288--289. 1958; Moldenke, *Résumé* 82, 113, & 446. 1959.

Additional citations: BOLIVIA: Cochabamba: Troll 978 (B).

CITHAREXYLUM BERLANDIERI B. L. Robinson

Additional literature: Moldenke, *Phytologia* 6: 265 & 290--294. 1958; Moldenke, *Résumé* 27, 34, 214, 253, 259, & 446. 1959.

The Pringle 3734 collection appears to be a topotype collection.

Additional citations: MEXICO: San Luis Potosí: Pringle 3734 (Mm--15343).

CITHAREXYLUM BRACHYANTHUM (A. Gray) A. Gray

Additional synonymy: Citharexylum brachyantum Gray ex Valdés

Gutiérrez, Bol. Soc. Bot. Mex. 23: 114. 1958.

Additional literature: Valdés Gutiérrez, Bol. Soc. Bot. Mex. 23: 114 & 129. 1958; Moldenke, Phytologia 6: 262 & 295-298. 1958; Moldenke, Résumé 27, 34, 253, 255, 319, & 446. 1959; Moldenke, Résumé Suppl. 1: 16. 1959.

Additional citations: MEXICO: San Luis Potosí: Pringle 3749 (Mm--15344).

CITHAREXYLUM CAUDATUM L.

Additional literature: Moldenke, Phytologia 6: 269 & 299-310. 1958; Moldenke, Résumé 34, 41, 43, 44, 46, 47, 49, 51, 53, 54, 56, 58, 61, 65, 82, 185, 214, 237, 252-256, 258, 277, 294, 301, & 446. 1959.

The species ascends to 5250 feet altitude in Jamaica according to Stearn. It has been misidentified as C. spinosum L. by Degener & Murashige.

Additional citations: CUBA: Havana: Marie-Victorin & Alain 22328 (Vi). Las Villas: Hodge & Howard 5228 (Um--48510). ISLA DE PINOS: Marie-Victorin & Alain 115 (Vi, Vi). JAMAICA: Stearn 93 (N, S); Yuncker 17467 (S). CULTIVATED: Hawaiian Islands: Degener & Murashige 20075 (B).

CITHAREXYLUM DECORUM Moldenke

Additional literature: Moldenke, Phytologia 6: 275 & 319-320. 1958; Moldenke, Résumé 70 & 446. 1959.

Tree to 20 meters tall, according to Bernardi, who found it along wooded roadsides at an altitude of 850 meters and misidentified it as a species of Guettarda in the Rubiaceae.

Additional citations: VENEZUELA: Mérida: Bernardi 6739 (N).

CITHAREXYLUM DONNELL-SMITHII Greenm.

Additional literature: Moldenke, Phytologia 6: 266, 270, & 336-340. 1958; Moldenke, Résumé 34, 41, 45, 46, 48, 214, 254-257, & 446. 1959; Moldenke, Résumé Suppl. 1: 3. 1959.

The species has been collected in fruit also in February. Standley & Padilla report it as "common" in Sonsonate.

Additional citations: EL SALVADOR: Sonsonate: P. H. Allen 7221 (N); Standley & Padilla V. 2664 (N).

CITHAREXYLUM FLABELLIFOLIUM S. Wats.

Additional literature: Moldenke, Phytologia 6: 265 & 347-349. 1958; B. H. Johnson, Wasmann Journ. Biol. 16: 295. 1958; Moldenke, Résumé 34, 40, 240, 256, & 446. 1959.

Johnson describes the plant as "a shrub, about 3 to 5 feet high, with short stiff branches, flowers in different shades of lavender and purple with yellow centers; in the dense growth of various shrubs and small trees on the top of the granite bluff overlooking La Paz Bay, about 15 miles west of La Paz," in Baja California.

CITHAREXYLUM FRUTICOSUM L.

Additional literature: Moldenke, *Phytologia* 6: 265, 269, & 354—366. 1958; *Biol. Abstr.* 30: 3860. 1958; Moldenke, *Résumé* 12, 49, 51, 54, 56—63, 70, 76, 214, 235, 252, 253, 255—259, 277, 415, 418, & 446. 1959.

According to entry 32312 in volume 30 of "Biological Abstracts" a new species of the fungus genus Irene has been discovered on this species in the Dominican Republic. Yuncker found C. fruticosum at 2500 feet altitude in Jamaica and reports the additional common name "yellow fiddlewood". Lanjou & Lindeman found the plant along a roadside on a shell ridge and misidentified it as C. spinosum L.

Additional citations: FLORIDA: Dade Co.: Small & Small s.n. [November 26—December 20, 1913] (Vi). CUBA: Havana: León 480 (Vi). JAMAICA: Yuncker 17842 (S), 18054 (Bm, S). WINDWARD ISLANDS: St. Vincent: E. H. L. Krause 12 (B). TRINIDAD: W. E. Broadway s.n. [Aug. 28, 1932] (B). SURINAM: Lanjou & Lindeman 1560 (N).

CITHAREXYLUM FRUTICOSUM var. VILLOSUM (Jacq.) O. E. Schulz

Additional literature: Moldenke, *Phytologia* 6: 265, 275, & 389—394. 1958; Moldenke, *Résumé* 12, 49, 51, 55, 56, 58—61, 214, 252—257, 259, 277, 391, 424, & 446. 1959; Moldenke, *Résumé* Suppl. 1: 2. 1959.

Additional citations: CUBA: Las Villas: R. A. Howard 4952 (Um—48213, Um—48556).

CITHAREXYLUM HIDALGENSE Moldenke

Additional literature: Moldenke, *Phytologia* 6: 275 & 406—408. 1958; Moldenke, *Résumé* 35 & 446. 1959; Moldenke, *Résumé* Suppl. 1: 3. 1959.

Additional citations: MEXICO: México: Schiede s.n. [prope S. José del Oro, 1831] (B).

CITHAREXYLUM ILICIFOLIUM H.B.K.

Additional literature: Moldenke, *Phytologia* 6: 264, 267, 271, & 411—415. 1958; Moldenke, *Résumé* 79, 82, 113, 214, 253, 277, 283, 416, & 446. 1959.

Additional citations: ECUADOR: Azuay: Giler 6 (N). Pichincha: Benoist 2378 (S); Herb. Humboldt s.n. [Chillo; Macbride photos 17593] (N—photo of cotype).

CITHAREXYLUM KUNTHIANUM Moldenke

Additional literature: Moldenke, *Phytologia* 6: 264, 273, & 426—429. 1958; Moldenke, *Résumé* 66, 70, 214, 254, 258, & 447. 1959.

Additional citations: COLOMBIA: Cauca: Sneidern 2816 (N). VENEZUELA: Trujillo: Collector undesignated 10769 (Vi).

CITHAREXYLUM LONGIFLORUM Turcz.

Additional literature: Moldenke, *Phytologia* 6: 276 (1958) and 6: 453--454. 1959; Moldenke, *Résumé* 51, 252, & 447. 1959; Moldenke, *Résumé Suppl.* 1: 4, 16, & 25. 1959.

Examination of a phototype indicates that this plant is *Clerodendrum grandiflorum* (Hook.) Schau. Turczaninow's binomial must, therefore, be deleted from the list of valid species of *Citharexylum*.

CITHAREXYLUM MIRIFOLIUM Moldenke

Additional literature: Moldenke, *Phytologia* 6: 271 (1958) and 6: 467--468. 1959; Moldenke, *Résumé* 70 & 447. 1959; Moldenke, *Résumé Suppl.* 1: 5. 1959.

Additional citations: VENEZUELA: Trujillo: Aristeguieta & Medina 3690 (N).

CITHAREXYLUM MOCINNI D. Don

Additional literature: Moldenke, *Phytologia* 6: 274 (1958) and 6: 468--471. 1959; Moldenke, *Résumé* 35, 254, 257--259, & 447. 1959.

Additional citations: MEXICO: Vera Cruz: Schiede 84 [Macbride photos 17599] (N--photo).

CITHAREXYLUM MONTEVIDENSE (Spreng.) Moldenke

Additional literature: Menninger, 1959 Price List [7]. 1958; Moldenke, *Phytologia* 6: 262 (1958) and 6: 474--479. 1959; Lombardo, *Arb. Cult. Pas. Pub.* 99--100. 1958; Moldenke, *Résumé* 87, 116, 118, 123, 214, 252--255, 276, 277, 284, 342, & 447. 1959.

Additional illustrations: Lombardo, *Arb. Cult. Pas. Pub.* 100. 1958.

Additional citations: BRAZIL: Rio Grande do Sul: Costa Sacco 462 [*Herb. Hort. Bot.* 1478] (N). PARAGUAY: Sparre & Vervoorst 1026 (Vi).

CITHAREXYLUM MYRIANTHUM Cham.

Additional literature: Veloso & Klein, *Sellowia* 8: 182 & 220. 1957; Moldenke, *Phytologia* 6: 277 (1958) and 6: 481--487. 1959; Moldenke, *Résumé* 88, 116, 123, 215, 252--254, 256--258, & 447. 1959.

Additional citations: BRAZIL: Santa Catarina: Klein 297 [*Herb. Reitz 4641*] (N), 866 [*Herb. Reitz 10012*] (N), 2195 [*Herb. Reitz 14207*] (N); Reitz & Klein 2697 [*Herb. Reitz 10005*] (N).

CITHAREXYLUM POEPPIGII Walp.

Additional literature: Moldenke, *Phytologia* 6: 263 & 277 (1958) and 6: 498--500. 1959; Moldenke, *Résumé* 66, 70, 79, 82, 88, 254, 256, & 447. 1959.

Additional citations: ECUADOR: Napo--Pastaza: Asplund 10227 (N).

CITHAREXYLUM PSILACANTHUM Turcz.

Additional literature: Moldenke, *Phytologia* 6: 262 (1958) and 6: 501--502. 1959; Moldenke, *Résumé* 226 & 447. 1959; Moldenke, *Résumé Suppl.* 1: 15, 16, & 25. 1959.

Examination of a phototype of this species indicates that the plant is Rhaphithammus spinosus (A. L. Juss.) Moldenke. The binomial of Turczaninow, therefore, must be deleted from the list of valid species in Citharexylum.

CITHAREXYLUM PTEROCLADUM Donn. Sm.

Additional literature: Moldenke, *Phytologia* 6: 267 (1958) and 6: 502--504. 1959; Moldenke, *Résumé* 35, 41, 43, 257, & 447. 1959.

Additional citations: MEXICO: Michoacán: Hinton 15852 (N).

CITHAREXYLUM SPINOSUM L.

Additional literature: Moldenke, *Phytologia* 6: 266, 268--270, & 272 (1958) and 7: 33--46. 1959; Moldenke, *Résumé* 49, 51, 55, 56, 58--64, 70, 76, 78, 129, 140, 165, 203, 215, 252--259, 277, & 447. 1959; Moldenke, *Résumé Suppl.* 1: 16 & 18. 1959.

Additional synonymy: Citharexylum quadrangulare Jacq., in herb.

The Krause specimen cited below exhibits some insect galling of the flowers very similar to that seen in species of *Duranta*.

Mr. N. Y. Sandwith and M. J. Vidal have recently informed me that the genus Hadongia Gagnep. is a synonym of Citharexylum, and that H. eberhardtii Gagnep. is probably conspecific with C. spinosum. I am awaiting receipt of the type specimen to check this assertion.

Additional citations: WINDWARD ISLANDS: St. Vincent: E. H. L. Krause 16836 (B). TRINIDAD: Cowan & Forster 1278 (Z).

NOTES ON NEW AND NOTEWORTHY PLANTS. XXIV

Harold N. Moldenke

CALLICARPA LONGIFOLIA var. HORSFIELDII (Turcz.) Moldenke, comb. nov.

Callicarpa horsfieldii Turcz., *Bull. Soc. Nat. Mosc.* 36 (2): 217. 1863.

CARYOPTERIS NEPALENSIS Moldenke, sp. nov.

Frutex; ramis ramulisque acute tetragonis minutissime puberulis; foliis decussatis; petiolis brevibus pubescentibus; laminis ovatis longe acuminatis regulariter serratis, ad basin rotundatis vel truncatis vel subcordatis, utrinque parcissime minutissimeque puberulis, supra subscabridis; inflorescentiis axil-